

Technical Data Sheet [TDS]

PMMA Dinacryl Natural

Reference: MA3S03-0225-02

Properties	Unit	Method	Value d.a.m.
<b>Physical</b>			
Relative density	g/cm <sup>3</sup>	ISO 1183	1,19
<b>Mechanical</b>			
Tensile modulus (1 mm/min)	MPa	ISO 527	3500
Stress at break (50 mm/min)	MPa	ISO 527	79
Strain at break (50 mm/min)	%	ISO 527	4
Flexural modulus (2 mm/min)	MPa	ISO 178	2700
Flexural strength (2 mm/min)	MPa	ISO 178	115
Charpy unnotched impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eU	27
<b>Rheological</b>			
Melt flow index M.F.I. (240°C, 3.8 kg)	g/10min	ISO 1133	2.1
<b>Thermal</b>			
Flammability classification (1.6mm)	V0-V1-V2-HB	UL 94	HB
<b>Processing</b>			
Melt temperature range	°C	-	220-250
Recommended mould temperature	°C	-	60-90
Drying temperature	°C	-	90
Drying time	h	-	2-4

The data submitted here are, to the best of Grupo Repol's knowledge, representative of the range of properties for the listed products, but should not be used to establish process limits or used as the direct basis of design. Colorants or other additives may alter these properties. The data are given for natural grade unless otherwise specified.

Last update: 03/ 2015



